

NOTICE AND NECESSARY INFORMATION (NANI)

This form is to assist compliance with the bulk sewage (biosolids) notification requirements [503.12(f)]. Please note, however, that if the biosolids meet the exceptional quality criteria, then the notification requirements do not apply. This form can be used by preparers of biosolids to transmit information to land appliers and also by land appliers to transmit information to land owners or lease holders.

Facility and Biosolids Type:: NWWRP Compliance

Monitoring Period: 9/1/15 To: 10/31/15

Name	Concentration (mg/Kg) Dry Weight	Pollutant Concentrations (Table 3, 40 CFR 503.13) Monthly Average	Ceiling Concentrations* (Table 1, 40 CFR 503.13) Daily Maximum
Arsenic	< 19	41	75
Cadmium	< 1.9	39	85
Chromium	93	1200	3000
Copper	450	1500	4300
Lead	< 19	300	840
Mercury	0.64	17	57
Molybdenum	10	N/A**	75
Nickel	40	420	420
Nitrogen Concen	47100	N/A	N/A
Selenium	27	36	100
Zinc	770	2800	7500

* Biosolids may not be land applied if any pollutant exceeds these values.

** EPA has temporarily removed molybdenum limits from Table 3, Table 2 and Table

B. Pathogen Reduction (40CFR 503.32) -- Please indicate the level achieved

☐ Class A

☒ Class B

C. Vector Attraction Reduction (40CFR 503.33) -- Please indicate the option performed

☒ Option 1

☐ Option 2

☐ Option 3

☐ Option 4

☐ Option 5

☐ Option 6


☐ Option 7

☐ Option 8

☐ No vector attraction reduction options were performed

D. Certification

I certify, under penalty of law, that the information that will be used to determine compliance with the Class B pathogen requirements in §503.32(b) and the vector attraction reduction requirement in §503.33(b)(1) was prepared under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate this information. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

A. Name and Official Title Jennifer Hetherington, Wastewater Compliance Specialist	B. Area Code and Telephone Number 480-644-3890
C. Signature 	D. Date Signed 9/28/15

Laboratory Sample ID: 150910005

**CITY OF MESA COMPLIANCE LABORATORY****640 NORTH MESA DRIVE MESA, ARIZONA 85211**

Environmental Laboratory License AZ0410

LABORATORY SUPERVISOR: MATTHEW REXING Ph (480)644-5403

QUALITY ASSURANCE COORDINATOR: Amy Cervinske Ph (480)644-6901

Attn: Jennifer Hetherington

OrderID: 150910005

CollectDate: 9/9/2015

Collection Time: 7:10:00 PM

Collector: D. Cantu

Sample Number: 15090390

ReceiveDate: 9/10/2015

Customer Sample#:

Project ID: NWWRP BIOSOLIDS

Site: NWWRP Biosolids

RESULTS

Parameter	Method No	MRL	Qualifier	Result	Analysis Date	Analyst
Nitrogen, Ammonia Total	SM4500-NH3D	200	D2	5200 mg/Kg-dry	9/17/2015	PSERIA
Cyanide, Total	EPA 9014	32		< 32 mg/Kg-dry	9/21/2015	TAL
Arsenic, Total	EPA 6010B	19		< 19 mg/Kg-dry	9/15/2015	TAL
Barium, Total	EPA 6010B	19		470 mg/Kg-dry	9/15/2015	TAL
Cadmium, Total	EPA 6010B	1.9		< 1.9 mg/Kg-dry	9/15/2015	TAL
Chromium, Total	EPA 6010B	7.4		93 mg/Kg-dry	9/15/2015	TAL
Copper, Total	EPA 6010B	19		450 mg/Kg-dry	9/15/2015	TAL
Lead, Total	EPA 6010B	19		< 19 mg/Kg-dry	9/15/2015	TAL
Molybdenum, Total	EPA 6010B	7.4		10 mg/Kg-dry	9/15/2015	TAL
Nickel, Total	EPA 6010B	7.4		40 mg/Kg-dry	9/15/2015	TAL
Selenium, Total	EPA 6010B	19		27 mg/Kg-dry	9/15/2015	TAL
Silver, Total	EPA 6010B	9.3		< 9 mg/Kg-dry	9/15/2015	TAL
Zinc, Total	EPA 6010B	37		770 mg/Kg-dry	9/15/2015	TAL
Mercury, Total	EPA 7471A	0.38		0.64 mg/Kg-dry	9/17/2015	TAL
Nitrogen, Nitrate-Nitrite Total	EPA 9056	4		< 4.0 mg/Kg-dry	9/23/2015	TAL
Nitrogen, Kjeldahl Total	SM4500-Norg	908		47100 mg/Kg-dry	9/16/2015	PSERIA
Nitrogen, Total	Calculation	912		47100 mg/Kg-dry	9/24/2015	ACERWIN
Paint Filter	EPA 9095B			abs pres/abs	9/14/2015	PSERIA
Percent Moisture	SM2540G	0.1		75 %	9/15/2015	TAL
Percent Soil	SM2540G	0.1		25 %	9/15/2015	TAL
pH	EPA 9045D	1.68		8.10 S.U.	9/14/2015	PSERIA
Phosphate as P, Total	SM4500-P	3893	D2,M3,R1	26500 mg/Kg-dry	9/17/2015	PSERIA
Solids, Total	SM2540G	1		25.0 %	9/14/2015	NSILIDE

QUALIFIERS

D2 Sample diluted due to high concentration.

COMMENTS

M3The spk rec value is unusable since the analyte conc in the sample is disproportionate to the spk level. The blk spk rec was acceptable. R1RPD exceeded the method acceptance limit due to the analyte concentration being disproportionate to the spk level.

REVIEWED BY: Amy L Czerwinski

Date Signed: 9/28/2015



Chain of Custody

Project Manager: Jennifer Hetherington

Order# 150910005		Sampled By:	
Customer Name: NWWRP Compliance		Date Sampled: 9/9/15	
Project Name: NWWRP BIOSOLIDS		Time Sampled: 1910	
		Receiving Temp: 3.0	
Sample Number	15090910	Comments:	
Analysis	NWWRP Biosolids	# of Bottles	Metals: Arsenic, Cadmium, Chromium, Copper, Lead, Molybdenum, Nickel, Selenium, Silver, Zinc Barium
Paint Filter	X		
Mercury - SW7471A	X		
Metals - SW6010B	X		
pH	X		
Temperature	X		
Ammonia - 4500NH3D	X		
Nitrate-N - EPA9056	X		
Nitrite-N - EPA9056	X		
TKN - 4500 N ORG C	X		
Phosphorus - 4500-P B,E	X		
% Moisture	X		
% Solids	X		
Cyanide Total - 9014	X		
Total Nitrogen	X		
ICP - Selenium TCLP	X		
		2	

Sampled & Relinquished by:		Sampled & Relinquished by:	
Signature: <i>Brian Ennis</i>	Time: 1345	Signature: <i>J. Ennis</i>	Time: 1230
Printed Name: Brian Ennis	Date: 9/9/15	Printed Name: J. Ennis	Date: 9/10/15
Company Name: COMESA		Company Name:	
Received by:		Received by:	
Signature: <i>Daniel Cant</i>	Time: 1345	Signature:	Time:
Printed Name: Daniel Cant	Date: 9-9-15	Printed Name:	Date:
Company Name: COM		Company Name:	
Sampled & Relinquished by:		Sampled & Relinquished by:	
Signature: <i>Daniel Cant</i>	Time: 0930	Signature:	Time:
Printed Name: Daniel Cant	Date: 9-9-15	Printed Name:	Date:
Company Name: COM		Company Name:	
Received by:		Received by:	
Signature: <i>J. Ennis</i>	Time: 0930	Signature: <i>K. Ennis</i>	Time: 1230
Printed Name: J. Ennis	Date: 9/10/15	Printed Name: K. Ennis	Date: 9/10/15
Company Name:		Company Name:	